

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013948.D
 Acq On : 31 May 2023 20:06
 Operator : KP/MD
 Sample : 02981-07
 Misc : 6.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Jun 01 03:31:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	165315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140654	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120507	63.009	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.020%	
35) Dibromofluoromethane	7.722	113	98938	53.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.480%	
50) Toluene-d8	10.178	98	354782	50.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	12.483	95	121407	52.199	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.400%	

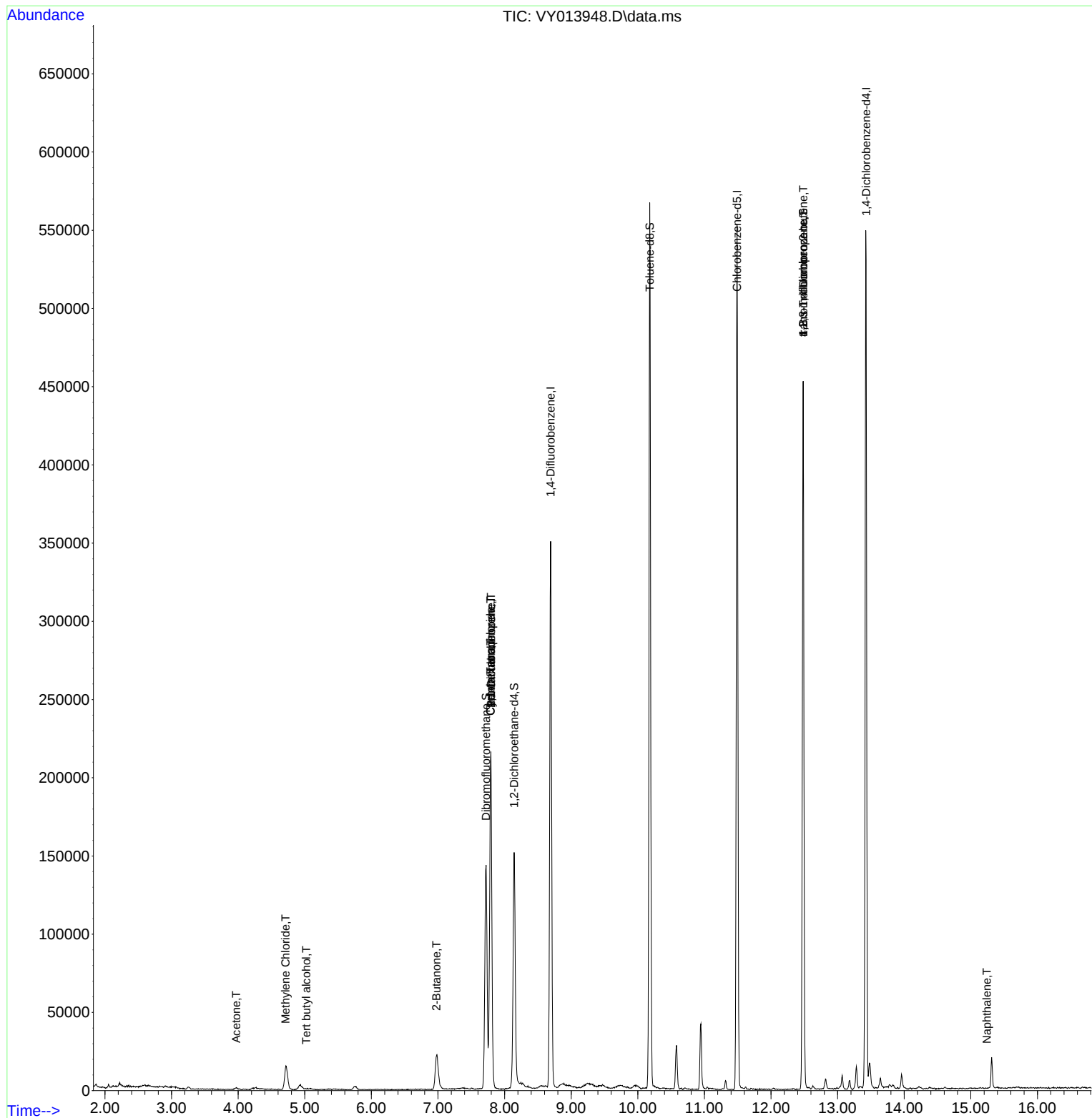
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.021	59	249	1.700	ug/l #	73
16) Acetone	3.972	43	1830	3.224	ug/l	90
20) Methylene Chloride	4.710	84	11001	3.083	ug/l #	78
25) 2-Butanone	6.978	43	854	1.233	ug/l	91
31) Cyclohexane	7.789	56	3753	1.277	ug/l #	10
36) 1,1-Dichloropropene	7.795	75	12942	4.615	ug/l #	51
38) Carbon Tetrachloride	7.789	117	16772	5.259	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	67235	40.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67235	87.999	ug/l #	10
95) Naphthalene	15.238	128	307	4.595	ug/l #	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

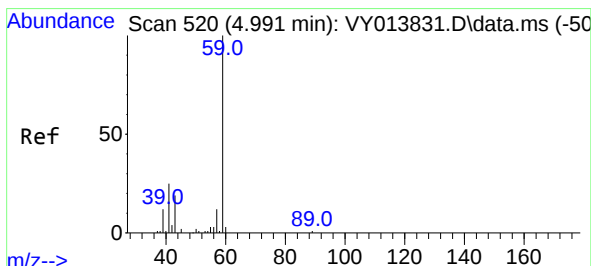
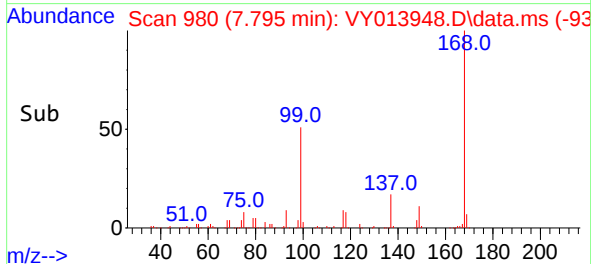
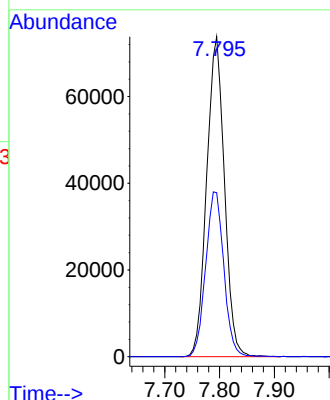
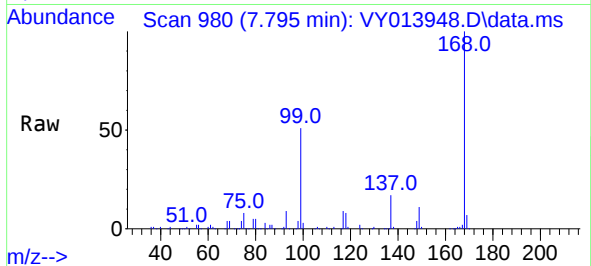




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

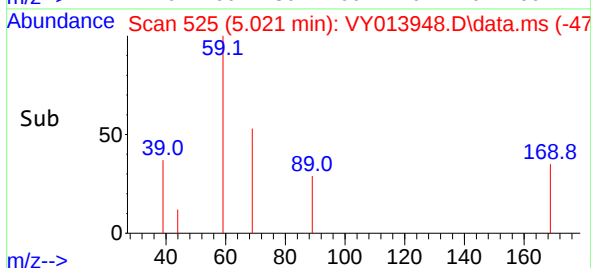
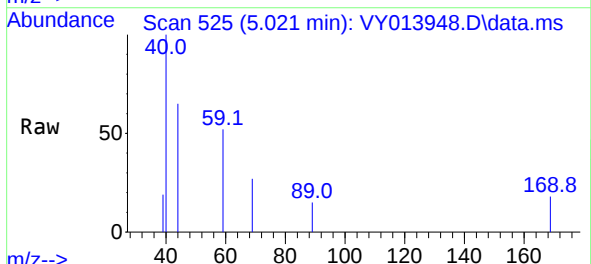
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

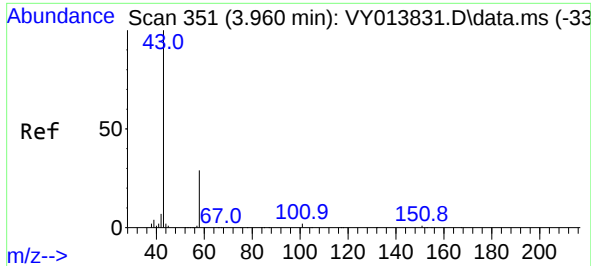
Tgt Ion:168 Resp: 165315
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.2



#11
Tert butyl alcohol
Concen: 1.700 ug/l
RT: 5.021 min Scan# 525
Delta R.T. 0.030 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 3.224 ug/l

RT: 3.972 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY013948.D

Acq: 31 May 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

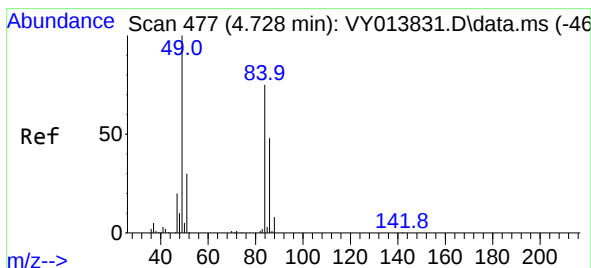
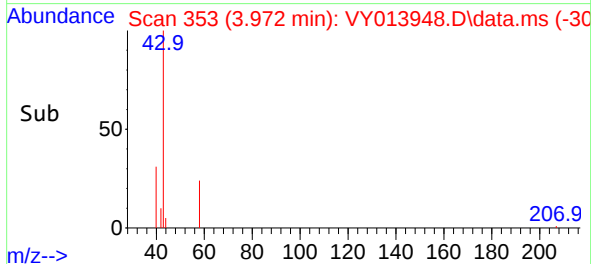
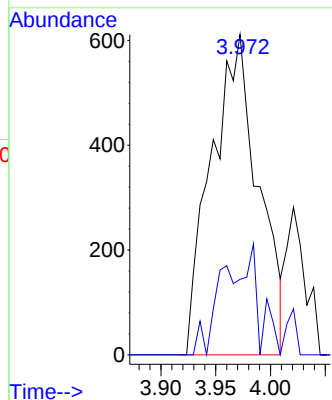
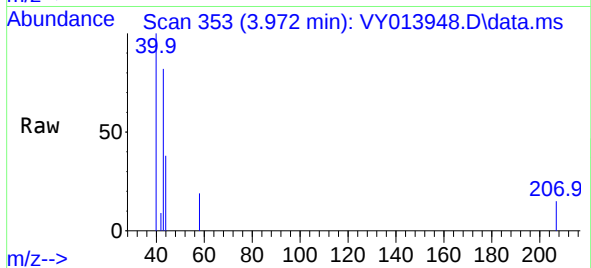
TP-5

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

43 100

58 23.6 23.3 34.9



#20

Methylene Chloride

Concen: 3.083 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.018 min

Lab File: VY013948.D

Acq: 31 May 2023 20:06

Tgt Ion: 84 Resp: 11001

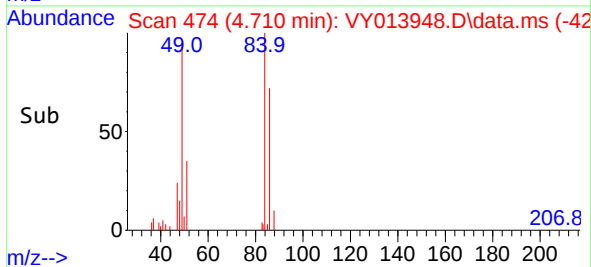
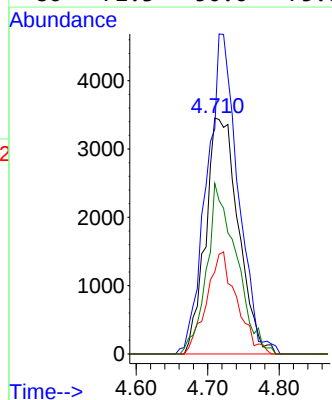
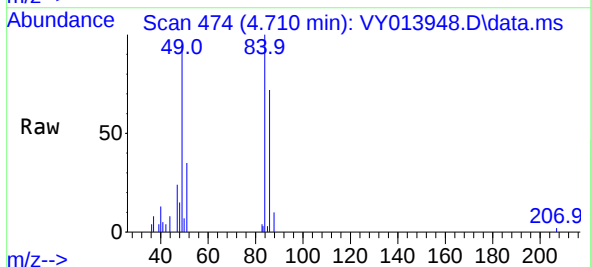
Ion Ratio Lower Upper

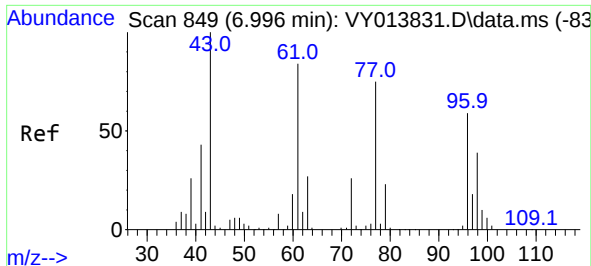
84 100

49 95.3 106.2 159.2#

51 34.8 31.4 47.0

86 72.3 50.6 75.8





#25

2-Butanone

Concen: 1.233 ug/l

RT: 6.978 min Scan# 849

Delta R.T. -0.019 min

Lab File: VY013948.D

Acq: 31 May 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

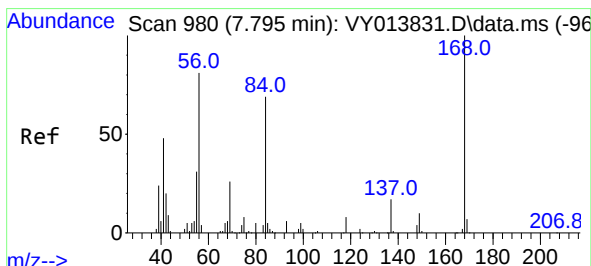
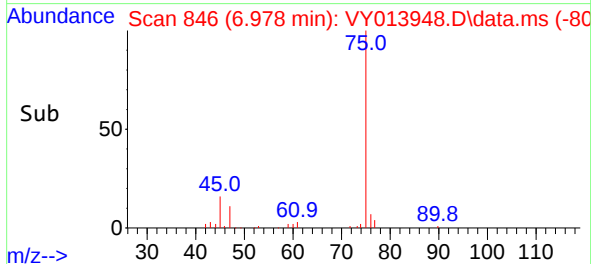
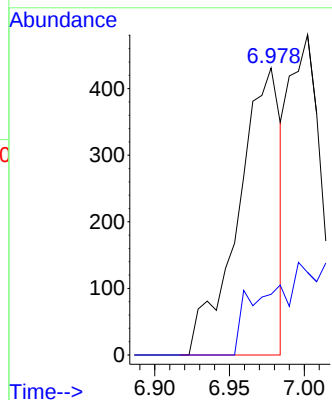
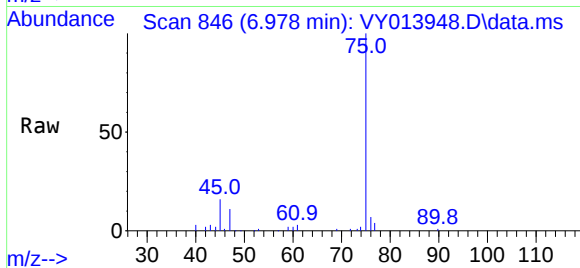
TP-5

Tgt Ion: 43 Resp: 854

Ion Ratio Lower Upper

43 100

72 21.1 20.5 30.7



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY013948.D

Acq: 31 May 2023 20:06

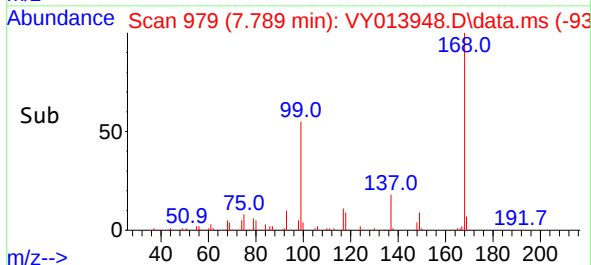
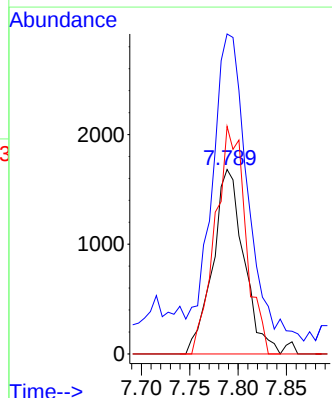
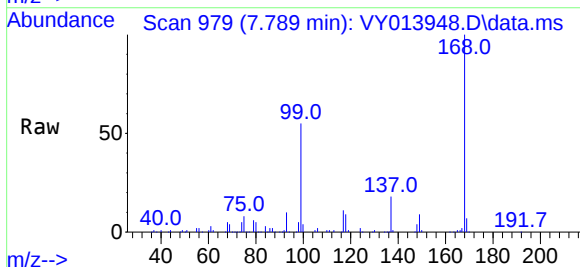
Tgt Ion: 56 Resp: 3753

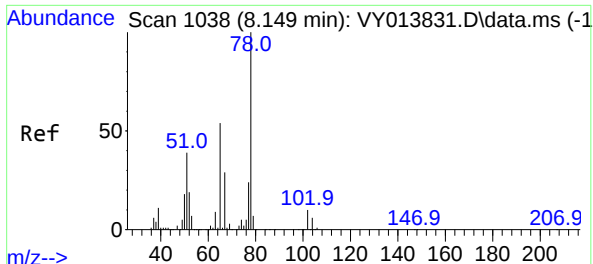
Ion Ratio Lower Upper

56 100

69 154.6 25.8 38.8#

84 123.3 68.2 102.2#

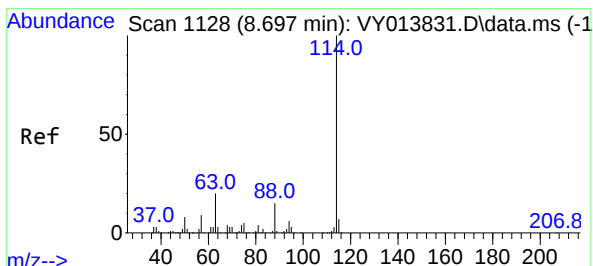
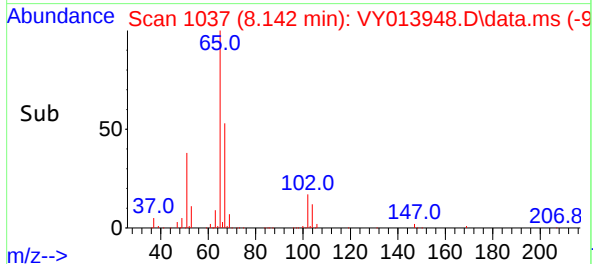
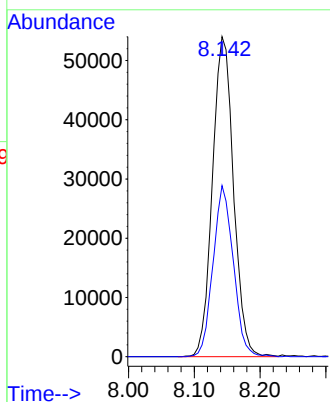
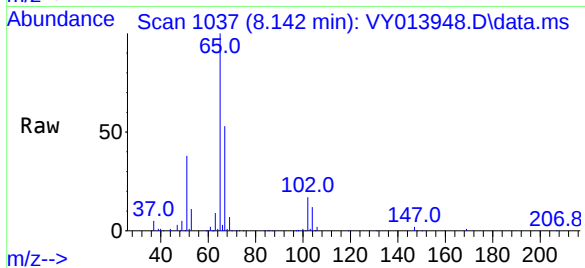




#33
1,2-Dichloroethane-d4
Concen: 63.009 ug/l
RT: 8.142 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

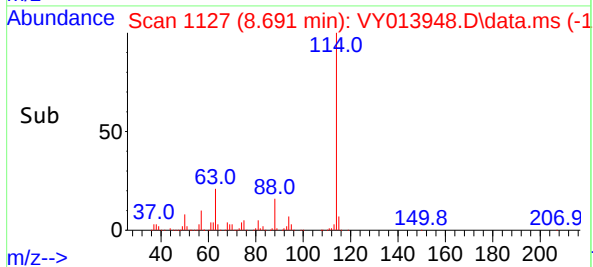
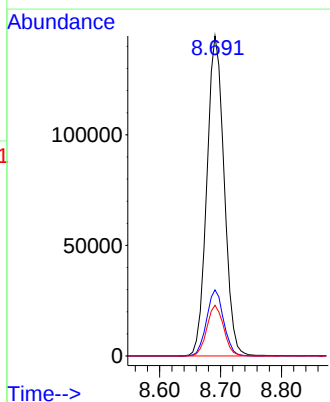
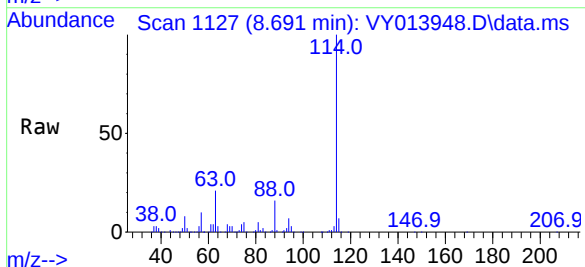
Instrument :
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ClientSampleId :
TP-5

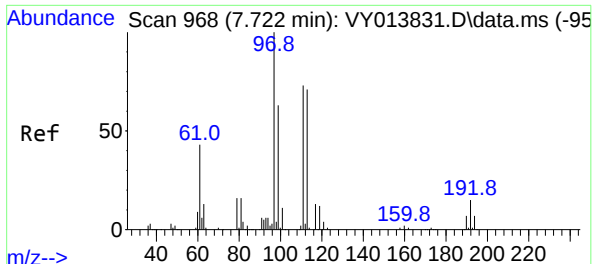
Tgt Ion: 65 Resp: 120507
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 114 Resp: 285074
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.2
88 15.9 0.0 30.0

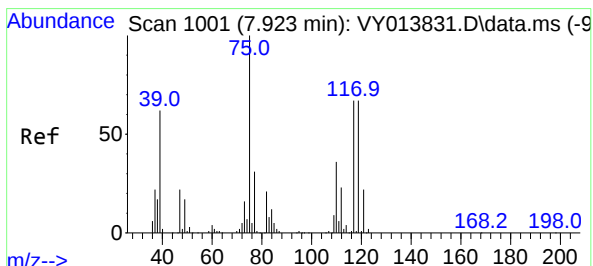
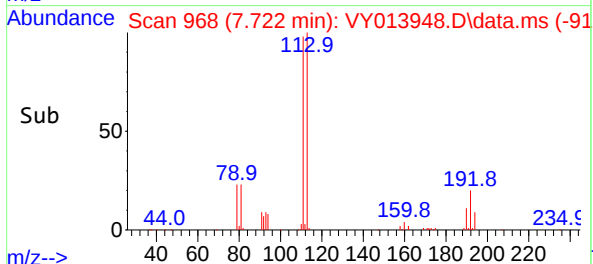
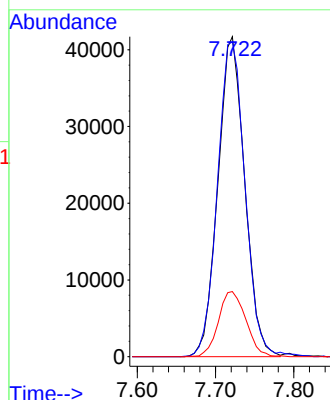
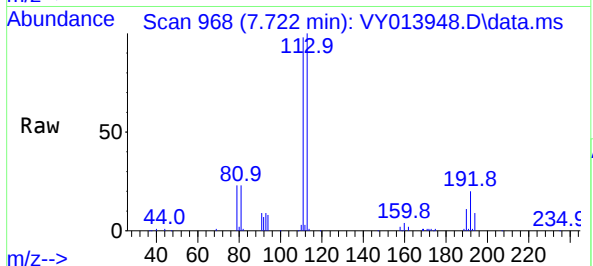




#35
Dibromofluoromethane
Concen: 53.741 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

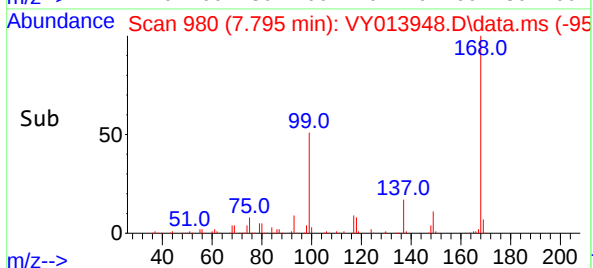
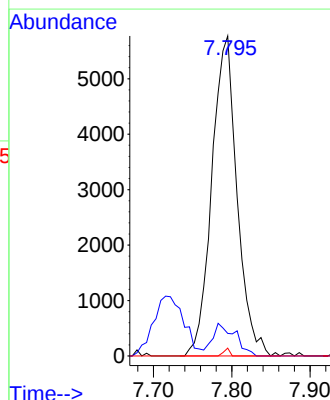
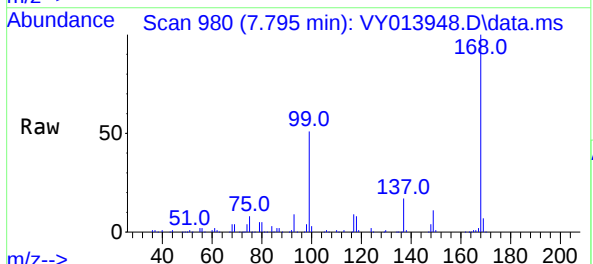
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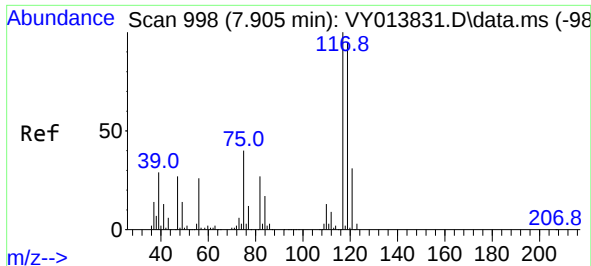
Tgt Ion:113 Resp: 98938
Ion Ratio Lower Upper
113 100
111 101.7 80.4 120.6
192 20.9 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 75 Resp: 12942
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.6#
77 0.6 24.4 36.6#

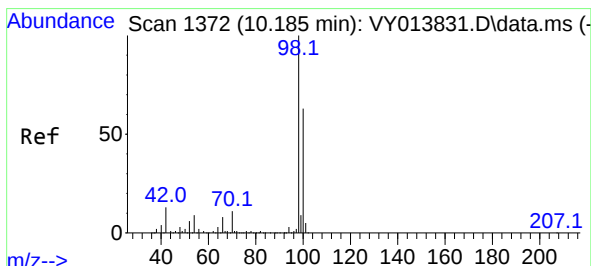
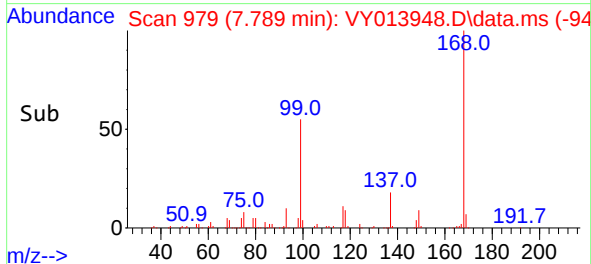
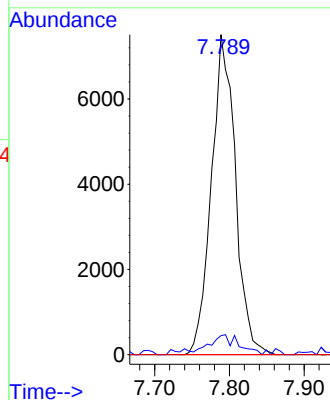
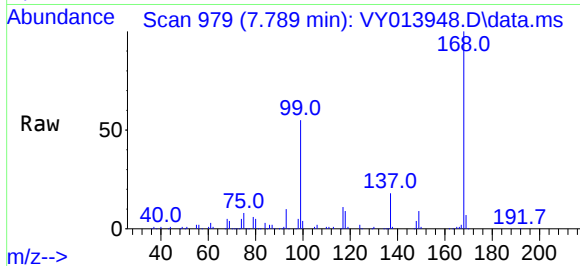




#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

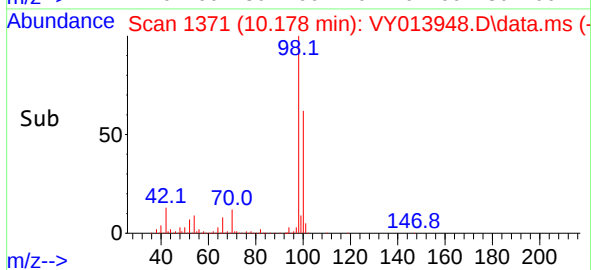
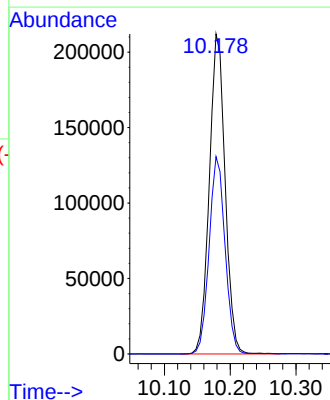
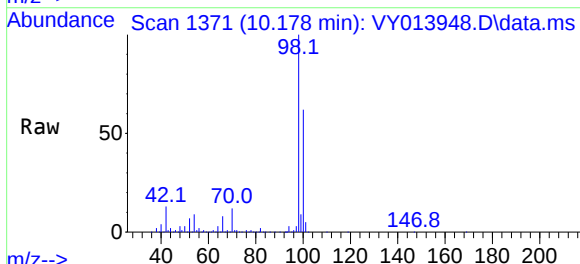
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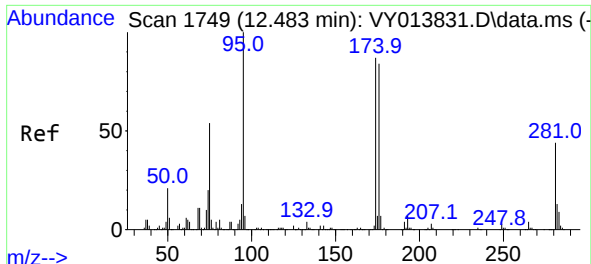
Tgt Ion:117 Resp: 16772
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.704 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 98 Resp: 354782
Ion Ratio Lower Upper
98 100
100 62.2 50.8 76.2

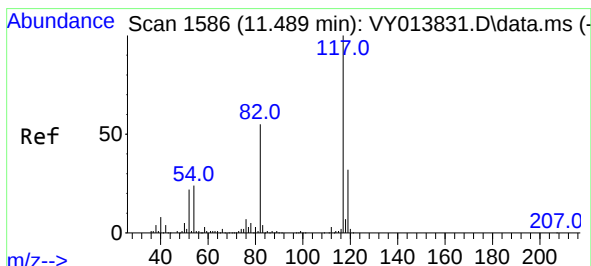
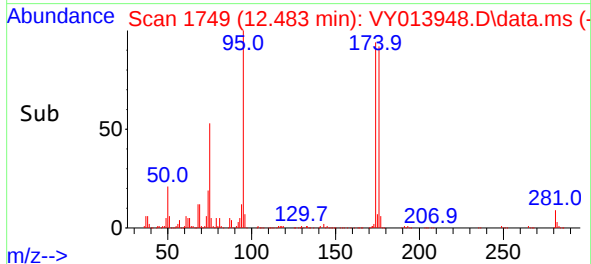
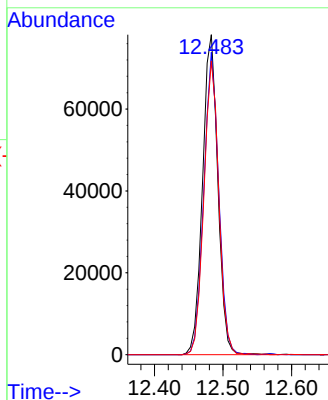
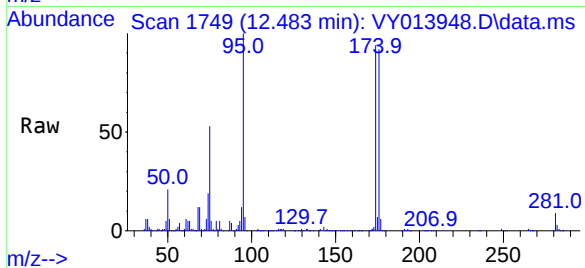




#62
4-Bromofluorobenzene
Concen: 52.199 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

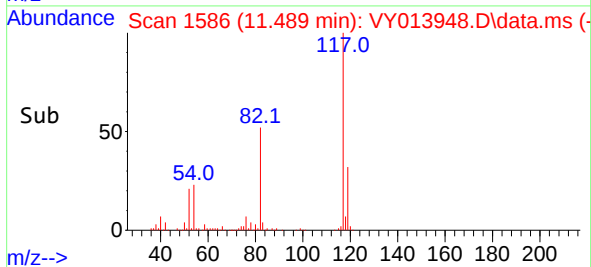
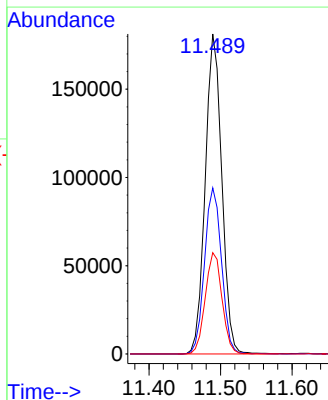
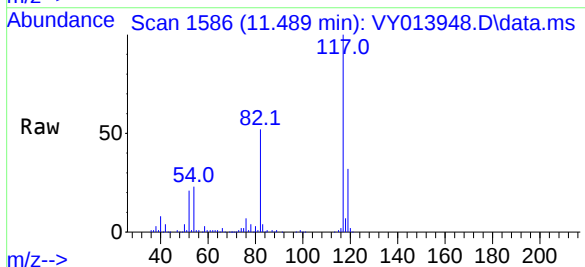
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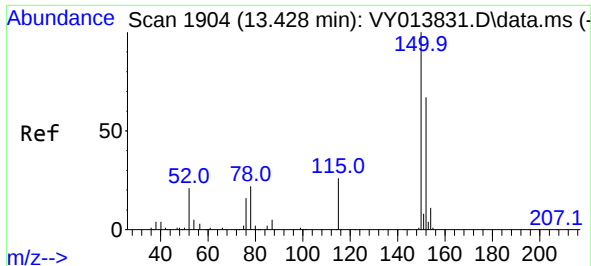
Tgt Ion: 95 Resp: 121407
Ion Ratio Lower Upper
95 100
174 92.5 0.0 176.0
176 89.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 117 Resp: 291701
Ion Ratio Lower Upper
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82 51.9 44.2 66.4
119 31.7 25.7 38.5

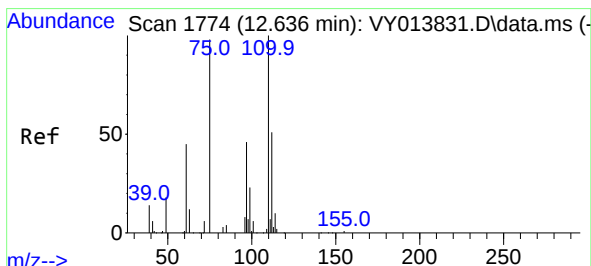
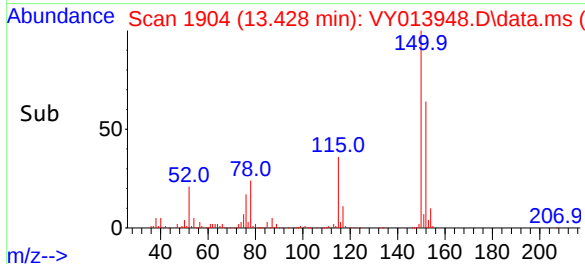
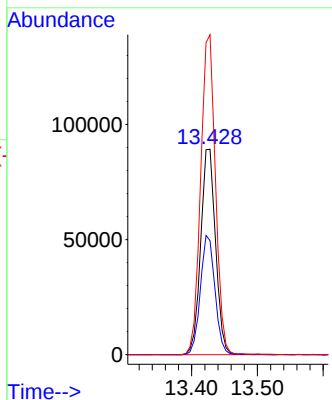
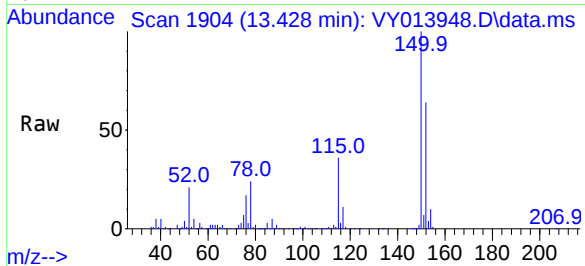




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

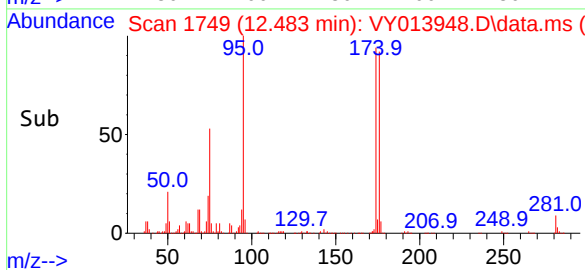
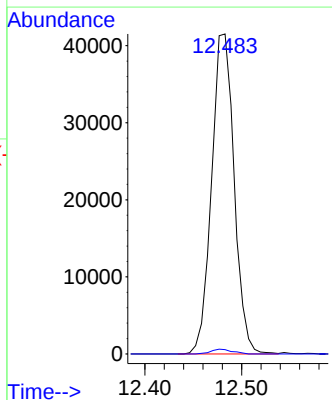
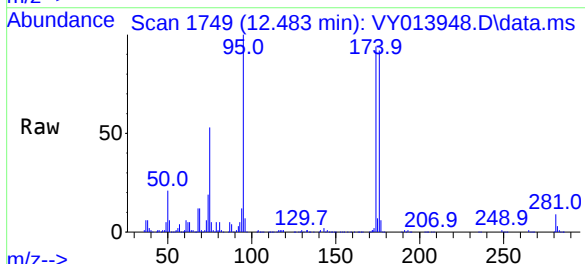
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

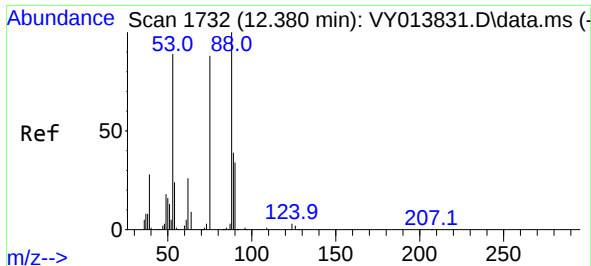
Tgt Ion:152 Resp: 140654
Ion Ratio Lower Upper
152 100
115 56.8 28.8 86.5
150 154.8 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 40.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 75 Resp: 67235
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

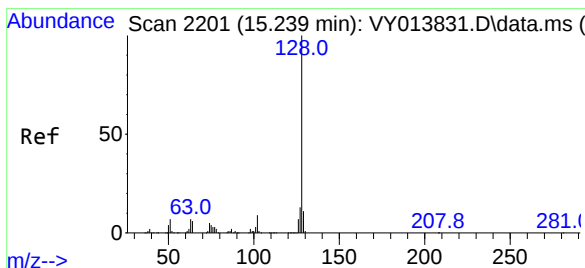
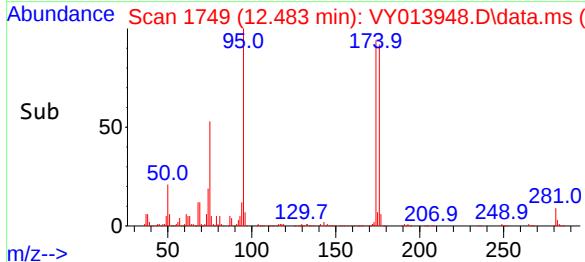
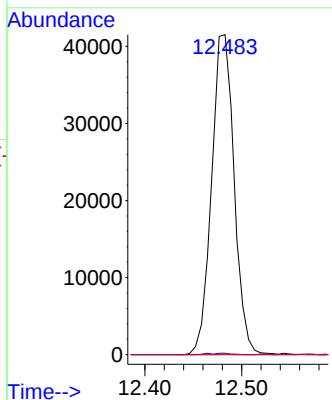
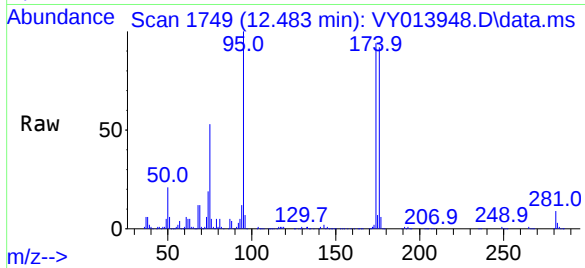




#81
trans-1,4-Dichloro-2-butene
Concen: 87.999 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion: 75 Resp: 67235
Ion Ratio Lower Upper
75 100
53 0.5 79.7 119.5#
89 0.1 36.4 54.6#



#95
Naphthalene
Concen: 4.595 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY013948.D
Acq: 31 May 2023 20:06

Tgt Ion: 128 Resp: 307
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

